

CLAIMS

1. A status adapted planning support system
comprising a plurality of status information providing
means connected to a communication network and a porta-
5 ble information terminal connected to said communication
network by use of radio,

 said portable information terminal being
provided with:

 plan storing means for storing the content of
10 a plan;

 status information collecting and judging
means for collecting status information related to a
change of said plan content from said status information
providing means through said communication network and
15 comparing the collected information and said plan
content to judge whether or not said plan content is to
be changed;

 alternative plan generating means for collect-
ing, in the case where said status information collect-
20 ing and judging means judges said plan content as being
to be changed, information related to an alternative
plan to formulate the alternative plan; and

 plan change executing means for cancelling
said present plan and storing said alternative plan into
25 said plan storing means.

2. A portable information terminal provided with

radio communication means for performing the transmission and reception of information for a communication network to which a plurality of status information providing means are connected, the portable information terminal being provided with:

plan storing means for storing the content of a plan;

status information collecting and judging means for collecting status information related to a change of said plan content from said status information providing means through said communication network and comparing the collected information and said plan content to judge whether or not said plan content is to be changed;

alternative plan generating means for collecting, in the case where said status information collecting and judging means judges said plan content as being to be changed, information related to an alternative plan to formulate the alternative plan; and

said plan change executing means for cancelling said present plan and storing said alternative plan into said plan storing means.

3. A status adapted planning support system comprising a reservation center and status information providing means which are connected to a communication network and a portable information terminal which is connected to said communication network by use of radio,

characterized in that said portable information terminal includes reserving means for making access to said reservation center to make a reservation, status information monitoring means for collecting, from said
5 status information providing means through said communication network, information of a status which causes the falling of the execution of the reserved matter into a difficult situation, and making in accordance with a change of the collected status information the judgement
10 of whether or not the execution of said reserved matter becomes difficult, and status change coping means for making the presentation or vicarious execution of an action to be next taken by a user by means of a display device when said status information monitoring means
15 judges the execution of said reserved matter as being difficult.

4. A status adapted planning support system according to Claim 3, wherein said portable information terminal is further provided with storing means, and
20 said reserving means is provided with displaying means for displaying information representative of the objects of reservation on said display device and means for making access to said reservation center in regard to an object of reservation selected by the user to make a
25 reservation to said reservation center and holding the reserved matter into said storing means.

5. A status adapted planning support system according to Claim 3 or 4, wherein said status

information monitoring means is provided with means for selecting status information provided by said status information providing means to extract necessary information, and means for making in accordance with the
5 extracted information the judgement of whether or not the execution of the reserved matter held in said storing means falls into a difficult situation.

6. A status adapted planning support system according to any one of Claims 3 to 5, wherein said
10 status information monitoring means is provided with means for receiving information from another portable information terminal in said mobile communication system through said radio communication device, and means for making on the basis of the received information the
15 judgement of whether or not the execution of the reserved matter held in said storing means falls into a difficult situation.

7. A status adapted planning support system according to any one of Claims 3 to 6, wherein said
20 portable information terminal is further provided with a self-position measuring device, and said status information monitoring means is provided with means for determining the shortest movement time to a place for execution of the reserved matter held in said storing
25 means on the basis of positional information acquired by said self-position measuring device, and means for making in accordance with the result of determination the judgement of whether or not the execution of the

reserved matter held in said storing means falls into a difficult situation.

8. A status adapted planning support system according to any one of Claims 3 to 7, wherein said
5 status change coping means is provided with means for informing the user that the execution of the reserved matter held in said storing means is falling into a difficult situation.

9. A status adapted planning support system
10 according to any one of Claims 3 to 8, wherein said status change coping means is provided with means for making access to said reservation center to cancel the reservation held in said storing means.

10. A status adapted planning support system
15 according to any one of Claims 3 to 9, wherein said status change coping means is provided with means for determining the shortest movement time to a place to execution of the reserved matter held in said storing means, means for making a re-reservation in compliance
20 with an estimated instant of time of arrival at a place for execution of the reserved matter held in said storing means, and means for holding the re-reserved matter into the storing means.

11. A status adapted planning support system
25 according to any one of Claims 3 to 10, wherein said status change coping means is provided with means for presenting alternative means to the user to make a reservation for means selected by the user, and means

for cancelling the reservation held in said storing means and holding the reserved matter into the storing means.

12. A status adapted planning support system
5 according to any one of Claims 3 to 11, wherein said status change coping means is provided with means for changing, when the reservation held in said storing means is changed, that reservation held in said storing means which has a relationship with the change.

10 13. A status adapted planning support system comprising a reservation center and status information providing means which are connected to a communication network and a portable information terminal which is connected to said communication network by use of radio,
15 said reservation center being provided with reservation managing means for accepting a reservation from said portable information terminal to store the result of reservation as reservation information into an auxiliary storage, and reservation information present-
20 ing means for presenting the reservation information to said portable information terminal.

14. A status adapted planning support system comprising a reservation center and status information providing means which are connected to a communication
25 network and a portable information terminal which performs the transmission and reception of information for said communication network by use of radio,
characterized in that said status information

providing means includes status information collecting means for holding the latest status information into an auxiliary storage, and reservation information presenting means for presenting status information to said portable information terminal.

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15. A portable information terminal for performing the transmission and reception of information for a communication network by use of radio, characterized by comprising a self-position measuring device.

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ABSTRACT

A plan and information of a status making an obstacle to the execution of the plan are successively collected in advance by use of radio communication means and the collected information and the plan are compared with each other so that an impediment in executing the plan is extracted to support the formulation of a new plan. A portable information terminal 10 is provided with plan storing means for holding the present plan, status information collecting and judging means for successively collecting information of a status making an obstacle to the execution of the present plan from status information providing means 60a or 70a through radio communication means and comparing the collected information and the content of the present plan to judge whether or not the plan is to be changed, alternative plan generating means for collecting, in the case where the plan is to be changed, information related to an alternative plan to formulate the alternative plan, and plan change executing means for cancelling the present plan and storing the alternative plan into the storing means.